

42P10818

PATENT

CLAIM AMENDMENTS

- A1
1. (Currently amended) A method for improving speech recognition performance, the method comprising:
 - a) determining initial information associated with an input speech stream and a mapping target;
 - b) mapping the initial information to at least one default speech model;
 - c) dynamically identifying whether a new speech model having has a best better fit to the initial information; and
 - d) if so, associating the new speech model having a best with the input speech stream mapping target as a new default model.
 2. (Currently amended) The method of claim 1 wherein the initial information a mapping target further comprises at least one of a user, personal characteristics of the user and a communication channel characteristics.
 3. (Currently canceled) Please cancel Claim 3.
 4. (Currently amended) The method of claim 42, wherein the personal characteristics include at least one from the group comprised of: gender, native language, age, ethnicity, and home region.
 5. (Currently canceled) Please cancel Claim 5.
 6. (Currently amended) The method of claim 62, wherein the communication channel characteristics include at least one from the group comprised of: type of connection, model of phone, network identifiers, network characteristics and background noise level.

42P10818

PATENT

7. (Currently amended) The method of claim 1, wherein the method further comprises associating at least one alternative model with the input speech stream mapping target ~~from the mapped models.~~
8. (Currently amended) A method for dynamically selecting a speech model, the method comprising:
- a) receiving a call from a user;
 - b) determining characteristics of a communications channel through which the call is received;
 - c) selecting a default speech model based upon the characteristics of the channel;
 - d) configuring a speech recognizer to use the selected default speech model;
 - e) dynamically identifying whether a new speech model has a better fit to the characteristics of the communications channel; and
 - f) if so, associating the new speech model with the call as a new default speech model and configuring the ~~a~~ speech recognizer to use the new default speech selected model.
9. (Currently deleted) Please cancel Claim 9 without prejudice.
10. (Currently amended) The method of claim ~~8+1~~, wherein the method further comprises overriding ~~selection of the selected~~ default speech model by dynamically identifying whether the new default speech model has a better fit to the characteristics of the communications channel based upon analysis of fit of the default and alternate speech models based upon at least one of the group comprised of: communication channel characteristics, personal characteristics of the user, and a combination of communication channel characteristics and personal characteristics.
11. (Currently amended) The method of claim ~~8+0~~, wherein receiving a call from a user further comprises determining information identifying the user.

PATENT

42P10818

12. (Currently amended) The method of claim ~~11~~¹³, wherein the method further comprises overriding ~~selection of the selected~~ default speech model by dynamically identifying whether a new default speech model has a better fit to the characteristics of the user based upon analysis of fit of the default and alternate speech models based upon at least one of the group comprised of: communication channel characteristics, personal characteristics of the user, and a combination of communication channel characteristics and personal characteristic.

A/ 13. (Currently canceled) Please cancel Claim 13 without prejudice.

14. (Currently canceled) Please cancel Claim 14 without prejudice.

15. (Currently amended) An article including instructions that, when executed, result in:

- a) reception of a call from a user;
- b) determination of characteristics of a communications channel through which the call is received;
- c) selection of a default speech model based upon the communication channel characteristics;
- d) configuring a speech recognizer to use the selected default speech model;
- e) dynamically identifying whether a new speech model has a better fit to the characteristics of the channel; and
- f) if so, associating the new speech model with the call as a new default speech model and configuring the a-speech recognizer to use the new default speech selected-model.

16. (Currently amended) The article of claim ~~15~~¹⁷, wherein the article includes further instructions that, when executed, result in determination of information identifying the user.

17. (Currently canceled) Please cancel Claim 17 without prejudice.

42P10818

PATENT

18. (Currently amended) The article of claim ~~1619~~, wherein the article includes further instructions that, when executed, overrides ~~selection of the selected~~ default speech model by dynamically identifying whether a new speech model has a better fit to the characteristics of the user and the communications channel based upon analysis of the fit of the default and alternate speech models based upon at least one of the group comprised of: communication channel characteristics, personal characteristics of the user, and a combination of communication channel characteristics and personal characteristics.

A/ 19. (Currently amended) A method for dynamically selecting a speech model, the method comprising:

- a) receiving a call from a user;
- b) identifying the user;
- c) accessing user information;
- d) selecting a default speech model based upon characteristics of the user;
- e) configuring a speech recognizer to use the selected default speech model;
- f) dynamically identifying whether a new speech model has a better fit to the characteristics of the user; and
- g) if so, associating the new speech model with the call as a new default model and configuring the a speech recognizer to use the new default selected model.

20. (Currently amended) The method of claim ~~1921~~, wherein the method further comprises determining characteristics of a communications channel through which the call is received.

21. (Currently canceled) Please cancel Claim 21 without prejudice.

22. (Currently amended) The method of claim ~~2023~~, wherein the method further comprises overriding ~~selection of a the selected~~ default speech model based upon by dynamically identifying whether a new speech model has a better fit to the characteristics of the user and the communications channel analysis of the fit of the

PATENT

42P10818

~~default and any alternate speech models based upon at least one of the group comprised of:~~ communication channel characteristics, personal characteristics of the user, and a combination of communication channel characteristics and personal characteristics.

23. (Currently canceled) Please cancel Claim 24 without prejudice.

24. (Currently canceled) Please cancel Claim 24 without prejudice.

A1 25. (Currently amended) An article including instructions that, when executed, result in:

- a) reception of a call from a user;
- b) identification of the user;
- c) access of user information;
- d) selection of a default speech model based upon characteristics of the user;
- e) configuration of a speech recognizer to use the selected default speech model;
- f) dynamic identification of whether a new speech model has a better fit to the characteristics of the user; and
- g) if so, association of the new speech model with the call as a new default model;
and
- h) ~~configuring of the~~ a speech recognizer to use the selected default model.

26. (Currently amended) The article of claim 2528, wherein the article further includes instructions that, when executed, result in determination of characteristics of a communications channel through which the call is received.

27. (Currently canceled) Please cancel Claim 27 without prejudice.

28. (Currently amended) The article of claim 2629, wherein the article further includes instructions that, when executed, result in overriding ~~selection of a~~ the selected default speech model based upon by dynamically identifying whether a new speech model has a better fit to the characteristics of the user and the communications

PATENT

42P10818

~~channel analysis of the fit of the default and any alternate speech models based upon at least one of the group comprised of:~~ communication channel characteristics, personal characteristics of the user, and a combination of communication channel characteristics and personal characteristics.

29. (Currently amended) A speech recognition system, comprising:

- N1
- a) ~~Aa~~ at least two speech models;
 - b) ~~Aa~~ control module operable to:
 - i) determine context information about a call;
 - ii) select one of the at least two speech models as a selected default speech model based on the context information; and
 - iii) configure a speech recognizer to use the selected default speech model;
 - iv) dynamically identify whether a new speech model has a better fit to the characteristics of the context information; and
 - v) if so, associating the new speech model with the call as a new default speech model; and
 - c) ~~Aa~~ recognition engine operable to:
 - i) receive an input speech stream;
 - ii) receive information about ~~which speech model to use~~ from the control module about an appropriate speech model to use;
 - iii) convert an input speech stream to an output text stream using the appropriate speech model.

30. (Currently amended) The system of claim ~~29~~31, wherein the context information about the call includes at least one piece of information from the group comprised of: personal characteristics, communication channel characteristics, and a combination of personal and communication channel characteristics.
